FORM 4

## UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington D.C. 20549

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

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OMB APPR	OVAL
OMB Number:	3235-0287
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0.5

Check this box if no longer subject to
Section 16. Form 4 or Form 5
obligations may continue. See
Instruction 1(b).

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

1. Name and Address of Reporting Person*  PASQUALE MICHAEL F					2. Issuer Name and Ticker or Trading Symbol MINERALS TECHNOLOGIES INC [ MTX ]							ck all applica	•	rson(s) to Issi 10% O		
(Last) (First) (Middle) MINERALS TECHNOLOGIES INC.					3. Date of Earliest Transaction (Month/Day/Year) 04/01/2005							Officer ( below)	give title	Other (s below)	specify	
405 LEXINGTON AVENUE					4. If Amendment, Date of Original Filed (Month/Day/Year)							6. Individual or Joint/Group Filing (Check Applicable				
(Street) NEW YORK NY 10174										Line)	X Form filed by One Reporting Person Form filed by More than One Reporting Person					
(City)	(Sta	ate) (	(Zip)													
		Tak	ole I - Non-I	Derivati	ve Se	curitie	s Ac	quired, D	isposed o	of, or Ben	eficially	Owned				
Date				. Transactio Pate Month/Day/	Execution Date		Code (Instr.			5. Amoun Securities Beneficial Owned Fo	For lly (D)	m: Direct or Indirect Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)			
								Code	Amount	unt (A) or (D)		Transactio	on(s) nd 4)		(111341. 4)	
			Table II - De					uired, Dis s, options,				Owned		<u>,                                      </u>		
Derivative Conversion Date Execution Date, Tr Security or Exercise (Month/Day/Year) if any Co		Code	ansaction of ode (Instr. Derivative		6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4)		8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4)	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)				
				Code	v	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares					
PHANTOM STOCK UNITS	\$0 <sup>(1)</sup>	04/01/2005	04/01/2005	i A	v	45.942		(2)	(2)	COMMON STOCK	45.942	\$65.3	5,212.545 <sup>(3)</sup>	D		

## **Explanation of Responses:**

- 1. EACH PHANTOM STOCK UNIT, WHEN REDEEMED, WILL HAVE THE VALUE OF ONE SHARE OF THE COMPANY'S COMMON STOCK ON THE FIRST BUSINESS DAY OF THE MONTH IN WHICH PAYMENT IS MADE.
- 2. THE PHANTOM STOCK UNITS REPRESENT DIVIDENDS ACCRUED UNDER THE MINERALS TECHNOLOGIES INC. NON-FUNDED DEFERRED COMPENSATION AND UNIT AWARD PLAN FOR NON-EMPLOYEE DIRECTOR'S AND ARE TO BE SETTLED IN CASH UPON THE REPORTING PERSON'S RETIREMENT.
- 3. THE REPORTING PERSON ALSO DIRECTLY OWNS EMPLOYEE STOCK OPTIONS (I) TO PURCHASE 151 SHARES OF MTX COMMON STOCK AT \$39.53 PER SHARE WHICH BECAME EXERCISABLE IN THREE EQUAL ANNUAL INSTALLMENTS BEGINNING ON JANUARY 28, 2000 AND EXPIRING ON JANUARY 28, 2009 AND (II) TO PURCHASE 168 SHARES OF MTX COMMON STOCK AT \$46.625 PER SHARE WHICH BECAME EXERCISABLE IN THREE EQUAL ANNUAL INSTALLMENTS BEGINNING ON JANUARY 24, 2003 AND EXPIRING ON JANUARY 24, 2012.

## Remarks:

**VICTORIA LUKAUSKAS** FOR MICHAEL F. 04/04/2005 **PASQUALE** 

\*\* Signature of Reporting Person Date

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

- \* If the form is filed by more than one reporting person, see Instruction 4 (b)(v).
- \*\* Intentional misstatements or omissions of facts constitute Federal Criminal Violations See 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure.

Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB Number.